17 ELEVATOR VENTING
SHALL COMPLY WITH ALL OF 2012-NC BUILDING CODE CHAPTER 30
SCALE: 1/2" = 1'-0"

10 VERTICAL PTAC
TYPICAL CLOSET DETAIL
SCALE: 1/2" = 1'-0"
T:/15MECH/500HVAC/15500203

6 AC-2
(SECTION)
SCALE: 1/4" = 1'-0"
T:/15MECH/500HVAC/15500087

3 CEILING EXHAUST FAN TERMINATION
(AT ATTIC SPACE)
SCALE: N.T.S.
T:/15MECH/500HVAC/15500182

NOT USED

13 CEILING EXHAUST FAN TERMINATION
(AT EXT. WALL, FLOOR SPACES)
SCALE: N.T.S.
T:/15MECH/500HVAC/15500102

1. SQUARE AND RECTANGULAR HOLES ARE NOT PERMITTED.
2. THE HORZ. DISTANCE BETWEEN HOLES SHALL BE AT LEAST 2 TIMES THE DIA. OF THE LARGER HOLE.
3. DO NOT DRILL MORE THAN 3 ACCESS HOLES IN ANY 4' LONG SECTION OF THE BEAM.
4. BEAMS DEFLECT UNDER LOAD. SIZE HOLES TO PROVIDE CLEARANCE WHERE REQUIRED.
5. THE HOLE CHART IS VALID FOR BEAMS SUPPORTING UNIFORM LOAD ONLY.
6. DO NOT STACK HOLES VERTICALLY
7. MAY REQUIRE ENGINEERING REVIEW

BEAM DEPTH (D)	6" & 7-1/2"	9" & GREATER
MAX HOLE DIAMETER	1"	2-1/8"

INDICATES ZONES WHERE HORIZONTAL HOLES ARE PERMITTED FOR PASSAGE OF WIRES, CONDUIT, ETC...

9 GLU-LAM BEAM
(NOTCHES AND HOLES)
SCALE: 1" = 1'-0"
T:/15MECH/500HVAC/15500102

2 LAUNDRY VENTING
SCALE: 1/2" = 1'-0"
T:/15MECH/500HVAC/15500022-4STRY
5

16

NOT USED

12 CEILING EXHAUST FAN
SCALE: N.T.S.
T:/15MECH/500HVAC/15500204

COMBUSTION AIR AND VENT TO FIRE SEALED AT PENETRATION OF RATED WALL. SEE ARCHITECTURAL DRAWINGS A7.6 AND A7.7 FOR UL LISTED INSTALLATIONS. PROVIDE FIRE DAMPER IN 12X8 OSA FROM F-3 IN WALL OF MECHANICAL ROOM.

8 THEATER FURNACE SECTION
(DUCT ROUTING)
SCALE: N.T.S.
T:/15MECH/500HVAC/15500214

5

15

14 CORRIDOR SECTION
(MEP LAYOUT)
SCALE: 1/2" = 1'-0"
T:/15MECH/500HVAC/15500102ABC
5

11 WATER HEATER/GAS FURNACE VENTING
(VENT/COMBUSTION AIR CONCENTRIC VENT)
SCALE: N.T.S.
T:/15MECH/500HVAC/15500206

7
5

NOT USED

NUMBER OF 90° TURNS OR ELBOWS	TYPE OF VENT	VENT LENGTH CHART- MODEL DNCD450EG 2-1/2" ANGLED HOODS	VENT LENGTH CHART-MODEL DNCD450EG 4" ANGLED OR LOUVERED HOODS	VENT LENGTH CHART- MODEL GTDL210GD 4" ROUND LONG VENTING
0	RIGID METAL	60 ft.	80 ft.	150 ft.
1	RIGID METAL	45 ft.	60 ft.	135 ft.
2	RIGID METAL	35 ft.	45 ft.	125 ft.
3	RIGID METAL	25 ft.	35 ft.	115 ft.
4	RIGID METAL	15 ft.	25 ft.	105 ft.

GENERAL ELECTRIC 7.0, 6.0, AND 5.8 CU. FT. CAPACITY GAS DRYERS

4 DRYER VENTING
(EXHAUST LENGTHS)
SCALE: NTS
T:/15MECH/500HVAC/15500000

1 DRYER VENTING
SCALE: 1" = 1'-0"
T:/15MECH/500HVAC/15500023

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CITY OF PORTLAND, MAINE
Reviewed for Code Compliance
Inspections Division
Date: 03/27/17
Inspections Division
Date: 10/25/16

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PORTLAND RETIREMENT RESIDENCE
802 OCEAN AVE. PORTLAND, MAINE 04103

HVAC DETAILS

DATE 8/28/2015

REVISED DATE
1 9/22/2015
2 2/2/2016
5 7/18/2016

SHEET
M4.0

save:8/25/2016 11:39 AM pwlp plotted:25/2016 11:37 AM post plot8 file:p:\transfer\cities-portland\retirement\m-4.0 hvac-details.dwg M4.0